

AC Input Protection Box

ACDB-100A-100A-1-1

(ACDB-100A-100A-1-0 WITHOUT POWER METER)

For use with AC strings up to 100A



- IP65
- Glass Reinforced Polyester Base
- RAL 7032
- Impact Resistant
- Double Insulated – Class II
- External Earth Stud

- This product is designed to provide protection between an inverter and the utility grid
- The AC protection box is designed to protect the input to the inverter with the built in AC surge protection device and to protect the inverter from potential cable fault that may occur between the output of the inverter and the point of common coupling with the grid.
- The AC combiner board is also fitted with a power quality meter that displays information about the system such as grid voltage, grid frequency, phase and system current (inverter output), power factor, active and reactive power values.
- The system can also be ordered without the power quality meter, although for commercial applications the information available from the power meter is of great use in analyzing system performance
- The enclosure provides excellent protection against the elements and is UV stabilized.
- Pre-wired internal switchgear improves the system installation time.

Technical Data

Item Number		ACDB-125A-125A-1-1
Inverter Connection		5 Wire-L1-L1-L3-N-E
Recommended inverter cable size (Inverter input)		35mm ² /Core
Circuit breaker current rating – Inverter Input	Non-Adjustable	100A
Circuit breaker current rating – Main Output	Non-Adjustable	100A
Number of Inverter inputs		1
Number of Outputs		1
Enclosure material		Glass Reinforced Polyester
Enclosure Colour		RAL 7032
Mounting	Wall	1 x set of 4 wall brackets
Door opening	Hinge on side	Lever Lock
Internal cover plate	White removable	Yes
Internal components pre-wired		Yes
Panel AC fault level		10kA
System voltage		400V
IP Rating		IP65
Earth stud		Yes
Dimensions	Height/Width/Depth(mm)	400 x 300 x 200

NB: All equipment to be installed and operated by qualified personnel only



SegenSolar
(Pty) Ltd

245 Masjien Street
Strijdom Park, Randburg
www.segensolar.co.za